

Chikungunya Surveillance Weekly Report

US Virgin Islands Department of Health

Week 48

November 23 - November 29, 2014

Summary

Total Cases, 2014

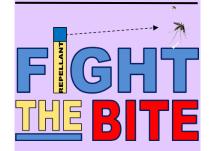
216 Confirmed

46 Probable

1263 Suspect

By Island

- St. Croix 26 Confirmed/Probable 469 Suspect
- St. John 7 Confirmed/Probable 41 Suspect
- St. Thomas 228 Conf./Probable 754 Suspect



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Figure 1. Chikungunya cases by week of illness onset, 2014

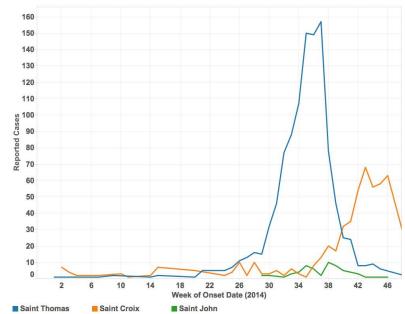
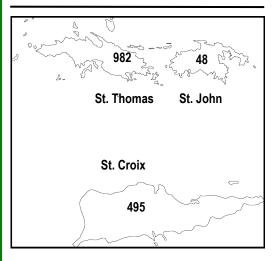


Figure 2. Map of reported cases by island, 2014



Chikungunya Case Definitions (PAHO)

<u>Suspect Case:</u> Any resident or visitor to the USVI with acute onset of fever of >38° C (>101°F) AND severe arthralgia or arthritis not explained by another medical condition.

<u>Probable Case:</u> A suspected case with chikungunya virus-specific IgM antibodies in serum or other bodily fluid, but with no other testing.

Confirmed Case: A suspected case with any of the following:

- 1) Isolation of chikungunya virus from, or demonstration of chikungunya viral antigen or nucleic acid in, tissue, blood, CSF, or other body fluid, OR
- 2) Four-fold or greater change in chikungunya virus-specific quantitative antibody titers in paired sera, ${\sf OR}$
- Chikungunya virus-specific IgM antibodies in serum with confirmatory chikungunya virus-specific neutralizing antibodies in the same or a later specimen.

NOTE: Case numbers are preliminary

Table 1. Demographics, clinical information of reported chikungunya cases, 2014

Or Probable (N=262) Suspect No. (%) No. (%) Age <20 years 54 (21) 262 (21) 20-39 years 59 (23) 270 (21) 40-59 years 68 (26) 344 (27) ≥60 years 69 (26) 395 (31) Sex Female 143 (55) 713 (56) Male 104 (40) 476 (38) Unknown 15 (6) 74 (6) Case type Locally- Locally- acquired 254 (97) 1185 (94) Imported 8 (3) 13 (1) Unknown 0 (0) 65 (5) Symptoms Fever 202 (77) 983 (78) Arthralgia 221 (84) 1008 (80) Arthritis 108 (41) 431 (35) Outcome Hospitalized 22 (4) 28 (2) Death 1 (04) 1 (04) 1 (06)		Confirmed				
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Outcome Hospitalized 22 (4) 28 (2)			108	(41)	431	
1 ()	Outcome					
		Hospitalized	22	(4)	28	(2)
		Death	1	(0.4)	1	(0)